

PSYCHOPHARMACOLOGY AND PHARMACOLOGICAL STUDIES SUPPORTED IN 1980 (FOR SAB MEETING, OCTOBER 1980)

<u>HUMAN STUDIES</u> (Cigarette Smoking)	<u>ANIMAL STUDIES</u> (Behavioral/Biochemical)	<u>ANIMAL STUDIES</u> (Metabolic)	<u>ANIMAL STUDIES</u> (Metabolic) CONTINUED	<u>ANIMAL STUDIES</u> (Nicotine Receptors/Binding) Sites and Absorption	<u>NICOTINE-METABOLITES/</u> <u>DERIVATIVES</u>
<p>a. <u>Behavioral Effects: a) Non-Smokers and Exposure to Smoking, b) Smoking-Deprivation</u> Heimstra (#1081AR1)</p> <p>b. <u>Influence of Pregnancy on Metab./Excretion of Nicotine (urine/amniotic fluid/breast milk/fetal tissue/blood)</u> Gorrod (#1194R1)*</p>	<p>I. <u>Genetics/Nicotine/Smoke</u></p> <p>a. <u>Neurochemical and Behavioral Effects of Nicotine and Alcohol</u> Collins (#1204R2)</p> <p>b. <u>Nicotine: Isolated Perfused Mouse Brain Biogenic Amines</u> Erwin (#1251A)</p> <p>c. <u>Cigarette Smoke:Nicotine Alcohol</u> Petersen (#1243R1)</p>	<p>I. <u>Nicotine/Cotinine</u></p> <p>a. <u>Actions of Nicotine on Serum Pancreatic Elastase Levels:(Dogs)</u> Geokas (#1088A)</p> <p>b. <u>Effects on Catecholamine and Neuroendocrines:</u> Fuxe (#1223R1)</p> <p>c. <u>Nicotine Isolated Perfused Mouse Brain. Biogenic Amines</u> Erwin (#1251A)</p> <p>II. <u>Tobacco Smoke/Nicotine/CO</u></p> <p>a. <u>Action on Acetylcholine System (Human Placenta)</u> Rama Sastry (949B)</p> <p>b. <u>Brain-Development: Nicotine/Smoke Effects</u> 1. Lewis (#1187MR1) 2. Lajtha (#1234A)</p> <p>c. <u>Nicotine Metab./Pregnancy</u> Gorrod (#1194R1)*</p>	<p>II. <u>Guanylate Cyclase:Nitric Oxide Effects</u></p> <p>a. <u>Cyclic GMP/Free Radicals</u> Braugher (#1304)</p> <p>b. Murad (#1186R2)</p>	<p>I. <u>Central Nicotine Receptor</u></p> <p>a. Tometsko (#1161R2) b. Collins (#1204R2)</p> <p>II. <u>Neural Tissue Receptors-Gene-tics (Drosophila Melanogaster Mutants)</u> Hall, L. (#1126AR1)</p> <p>III. <u>Receptors Spectroscopic Studies</u> D. Nelson (#1230R1)</p> <p>IV. <u>Receptors: Blood Cells</u> Hoss (#1235R1)</p>	<p>I. <u>RIA For Nicotine Metabolites</u></p> <p>a. <u>RIA</u> Castro (#884C)</p> <p>b. <u>Synthesis of Antigens</u> McKennis (#1054A)</p> <p>II. <u>Nicotine Derivatives (Synthesis for Receptor Studies)</u> Tometsko (#1161R2)</p> <p>III. <u>Nicotine-Metab./Excretion: Pregnancy Influence of</u> Gorrod (#1194R1)*</p> <p>IV. <u>Nicotine: Delivery Systems: Metabolism</u> Erickson (#1208A)</p>

TERMINATES/ED

\* 6/30/80

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